

ABSTRACT

The present invention relates to apparatus and methods for quantitative protein design and optimization.

Species	Sex	Age	Weight (g)	Length (mm)	Wing (mm)	Tail (mm)	Bill (mm)	Foot (mm)	Claw (mm)
1. <i>Alcedo corbina</i>	♂	Ad.	10.5	110	55	45	15	10	5
2. <i>Alcedo corbina</i>	♀	Ad.	9.5	105	50	40	14	9	4
3. <i>Alcedo corbina</i>	♂	Juv.	8.5	95	45	35	13	8	4
4. <i>Alcedo corbina</i>	♀	Juv.	7.5	90	40	30	12	7	3
5. <i>Alcedo corbina</i>	♂	Ad.	11.5	115	58	48	16	11	6
6. <i>Alcedo corbina</i>	♀	Ad.	10.5	110	55	45	15	10	5
7. <i>Alcedo corbina</i>	♂	Juv.	9.5	105	50	40	14	9	4
8. <i>Alcedo corbina</i>	♀	Juv.	8.5	95	45	35	13	8	4
9. <i>Alcedo corbina</i>	♂	Ad.	12.5	120	60	50	17	12	7
10. <i>Alcedo corbina</i>	♀	Ad.	11.5	115	58	48	16	11	6